

Pacific Northwest Snow Fighters (PNS) Qualified Product List
Category 1 - Corrosion Inhibited Liquid Magnesium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
FreezGard Zero - Shield LS	North American Salt	21.0	30%	5/19/1998
*Magnum Extra	America West	8	29%	5/19/1998
*Magnum Plus	America West	5	29%	5/19/1998
*Magnum L.C.	America West	10	29%	5/19/1998
*Magnum	America West	17	29%	5/19/1998
*IB7	North American Salt	17	29%	5/19/1998
*IB4	North American Salt	23	29%	5/19/1998
MCP Deicer MF - (Caliber M10T)	North American Salt	13.8	26.5%	9/3/1999
FreezGard Zero - TEA	North American Salt	19.7	30%	9/3/1999
Ice Stop CI-2000**	Reilly Industries	22	29.0%	8/5/2003
Hydro-Melt	Cargill	23.4	30%	5/10/2000
Caliber M1000	Envirotech Services Inc.	22.3	27%	8/8/2000
*FreezGard Zero - Shield LSW**	North American Salt	21.7	30%	7/3/2003
*ICEBAN 200	Earth Friendly Chem.	8.4	26%	8/15/2002
*MeltDown - Shield LSW	Envirotech Services Inc.	23.5	30%	10/8/2002
FreezGard Zero - SBA-1	North American Salt	26.4	29%	7/3/2003
FreezGard Zero - 7A	North American Salt	15.8	30%	7/3/2003
FreezGard Zero - CI Plus	North American Salt	19	30%	7/3/2003
Ice Stop CI-R	Reilly Industries	22	28%	12/23/2003
*Ice Stop CI Plus	Reilly Industries	28.8	28%	12/23/2004

Note-ICEBAN 200 was formerly ICEBAN Performance Plus M

Those products marked with an asterisk (*) indicates that the stratification can be seen and agitation is required.

**Product has been requalified.

Category 2 - Corrosion Inhibited Liquid Calcium Chloride

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
*Cal-Ban Extra	America West	11	32%	5/19/1998
*Cal-Ban	America West	26	32%	5/19/1998
*Cal-Ban L.C.	America West	21	32%	5/19/1998
LIQUIDOW ARMOR	Dow Chemical	26	30%	6/25/1999
Winter Thaw DI	Tetra Technologies	16.5	32%	9/13/1999
CorGuard TG	Tiger Calcium Services	27.7	29%	1/9/2001
Geomelt C	America West	21	32%	8/15/2002

Those products marked with an asterisk (*) indicates that the stratification can be seen and agitation is required.

Category 3 - Non Corrosion Inhibited Liquid Calcium Magnesium Acetate

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
Liquid CMA 25%	Cryotech	-11	25%	5/19/1998
SC CMA 25%	Sure Crop Farm Services	-2.8	25%	9/13/1999

Category 4 - Corrosion Inhibited Sodium Chloride (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
Inhibited Ice Slicer	Envirotech	30	N/A	5/19/1998
CG-90 Non-Phosphate 2.8%	Cargill	27	N/A	5/19/1998
ClearLane PNS**	Cargill	8.5	N/A	8/20/2002
IMC CI SALT A 3.5	IMC SALT	28	N/A	8/21/2001
IMC CI SALT B 4.5	IMC SALT	18.6	N/A	8/21/2001
IceSlicer Elite	Envirotech	26.6	N/A	8/15/2002

**Product has been requalified.

Category 5 - Corrosion Inhibited Sodium Chloride Plus 10% Magnesium Chloride (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
CG-90 Surface Saver 10%	Cargill	15	N/A	5/19/1998
Meltdown 10	Envirotech	30	N/A	5/19/1998
Surface Saver PNS 10%	Cargill	27.2	N/A	8/21/2001

Category 6 - Corrosion Inhibited Sodium Chloride Plus 20% Magnesium Chloride (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
CG-90 Surface Saver 22%	Cargill	26	N/A	5/19/1998
Meltdown 20	Envirotech	27	N/A	8/8/2000
Surface Saver PNS 20%	Cargill	22	N/A	8/21/2001

Category 7 - Calcium Magnesium Acetate (Solid)

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
CMA	Cryotech	-7	96%	5/19/1998

Category 8 - Non Corrosion Inhibited Solid Sodium Chloride

CATEGORY 8A - Contains moisture less than 0.5%

Product Name	Manufacturer			Date Approved
Cargill Dry Salt	Cargill			6/1/1998
Mineral Melt (See Note 1)	NSC Minerals			6/1/1998
IMC Salt (Coarse)	IMC Salt			8/8/2000
ESSA Salt	ESSA			8/15/2002
Kayway Salt (Coarse)	Kayway Industries			12/23/2003

Note 1-Mineral Melt Was Formely NU-Salt

CATEGORY 8B - Contains moisture less than 5.0%

Product Name	Manufacturer			Date Approved
IceSlicer RS	Redmond Mineral			2/9/2003

PNS Experimental Category - Liquid Non Chloride Corrosion Inhibited Products

Product Name	Manufacturer	Corrosion Rate % Effectiveness	% Concentration	Date Approved
NC 1000 (Provisional Approval)	Glacial Technologies	-3.1	16 ⁽¹⁾	1/31/2001
NC 2000 (Provisional Approval)	Glacial Technologies	-6.1	23 ⁽¹⁾	1/31/2001
CF7	Cryotech	0.0	50 ⁽²⁾	6/20/2001
CMAK	Cryotech	0.0	12.5/25 ⁽³⁾	6/20/2001
NC 3000 (Provisional Approval)	Glacial Technologies	-3.5	25 ⁽⁴⁾	3/13/2002
*TC ECONO	Tiger Calcium Services	20.5	20/2 ⁽⁵⁾	10/25/2002

1 - Based on a Total Potassium Value

2 - Potassium Acetate

3 - 12.5% Calcium Magnesium Acetate and 25% Potassium Acetate

4 - The product contains a 25% Potassium Acetate concentration. The product also contains 30% Carbohydrate material which is still under consideration as an active ingredient but at this time has not be included.

5 - 20% NaCl and 2% CaCl₂

Those products marked with an asterisk (*) indicates that the stratification can be seen and agitation is required.